

WHAT IS CLAIMED IS:

1           1. A method for content based HyperText Markup Language (HTML) coding  
2 comprising:

3           accessing source HTML data;  
4           simplifying the HTML data, the simplifying minimizing the size of the HTML  
5 data, knowledge of the HTML data being used during the simplification;  
6           encoding the simplified HTML data; and  
7           storing the encoded HTML data.

1           2. The method according to claim 1, further comprising transmitting the  
2 encoded HTML data to a computing device in response to a request from the  
3 computing device for access to the HTML data.

1           3. The method according to claim 2, further comprising transmitting the  
2 encoded data from a server to the computing device.

1           4. The method according to claim 1, wherein the HTML data represents at  
2 least one web page.

1           5. The method according to claim 1, wherein the simplification includes  
2 removal of spaces from the HTML data.

1           6. The method according to claim 1, wherein the simplification includes  
2 removal of comments from the HTML data.

1           7. The method according to claim 1, wherein the simplification includes  
2 normalizing the case of text in the HTML data.

1           8. The method according to claim 1, wherein the simplification includes  
2 reordering tag attributes in the HTML data.

1           9. The method according to claim 1, wherein the simplification includes  
2 representing some characters in the HTML data in standard escape notation.

1           10. The method according to claim 1, wherein the simplification includes  
2 encoding multiple characters in the HTML data into a single byte.

1           11. The method according to claim 1, wherein the encoding comprises  
2 generating a Huffman code for the simplified HTML data.

1           12. The method according to claim 1, further comprising storing the encoded  
2 HTML data in a cache.

1           13. An apparatus comprising a storage medium with instructions stored  
2 therein, the instructions when executed causing a computing device to perform:  
3           accessing source HTML data;  
4           simplifying the HTML data, the simplifying minimizing the size of the HTML  
5 data, knowledge of the HTML data being used during the simplification;  
6           encoding the simplified HTML data; and

7 storing the encoded HTML data.

1 14. The apparatus according to claim 13, wherein the HTML data represents  
2 at least one web page.

1 15. The apparatus according to claim 13, the instructions when executed  
2 causing a computing device to further perform transmitting the encoded HTML data  
3 to a computing device in response to a request from the computing device for access  
4 to the HTML data.

1 16. The apparatus according to claim 15, the instructions when executed  
2 causing a computing device to further perform transmitting the encoded data from a  
3 server to the computing device.

1 17. A server device comprising:  
2 a HTML simplifier, the HTML simplifier capable of simplifying source HTML  
3 data, the simplifying minimizing the size of the HTML data, knowledge of the HTML  
4 data being used during the simplification;  
5 an encoder; the encoder capable of encoding the simplified HTML data; and  
6 a memory device, the encoded HTML data being stored in the memory  
7 device.

1 18. The server according to claim 17, wherein the simplification includes  
2 removal of spaces from the HTML data.

1 19. The server according to claim 17, wherein the simplification includes  
2 removal of comments from the HTML data.

1 20. The server according to claim 17, wherein the simplification includes  
2 normalizing the case of text in the HTML data.

1 21. The server according to claim 17, wherein the simplification includes  
2 reordering tag attributes in the HTML data.

1 22. The server according to claim 17, wherein the simplification includes  
2 representing some characters in the HTML data in standard escape notation.

1 23. The server according to claim 17, wherein the simplification includes  
2 encoding multiple characters in the HTML data into a single byte.

1 24. The server according to claim 17, wherein the encoding comprises  
2 generating a Huffman code for the simplified HTML data.

1 25. The server according to claim 17, further comprising storing the encoded  
2 HTML data in a cache.

1 26. The server according to claim 17, wherein the HTML data represents at  
2 least one web page.

1           27. The server according to claim 17, further comprising a network interface,  
2           the server transmitting the encoded HTML data over the network interface to a  
3           computing device in response to a request from the computing device for access to  
4           the HTML data.

1           28. The server according to claim 27, further perform transmitting the  
2           encoded data from a server to the computing device.

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